

SCORE Search Results Details for Application 09961086 and Search Result 20090302_142117_us-09-961-086a-1.rapbn.

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This page gives you Search Results detail for the Application 09961086 and Search Result 20090302_142117_us-09-961-086a-1.rapbn.

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GenCore version 6.3
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OM protein - protein search, using sw model

Run on: March 3, 2009, 04:35:41 ; Search time 2 Seconds
(without alignments)
993.088 Million cell updates/sec

Title: US-09-961-086A-1

Perfect score: 3352

Sequence: 1 MSSSNVEVFIPVSQGNTNGF.....MIVIFLTIAVLKLLFLKKYS 655

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 16399 seqs, 3032329 residues

Total number of hits satisfying chosen parameters: 16399

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA_New:
1: /ABSS/Data/CRF/ptodata/2/pubpaa/US10_NEW_PUB.pep:
2: /ABSS/Data/CRF/ptodata/2/pubpaa/US11_NEW_PUB.pep:
3: /ABSS/Data/CRF/ptodata/2/pubpaa/US12_NEW_PUB.pep:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query				Description
		Match	Length	DB	ID	
1	602	18.0	1511	2	US-11-982-010-1020	Sequence 1020, Ap
2	602	18.0	1511	2	US-11-982-274-1020	Sequence 1020, Ap

3	163	4.9	808	2	US-11-769-326-53	Sequence 53, Appl
4	86	2.6	509	2	US-11-982-010-1472	Sequence 1472, Ap
5	86	2.6	509	2	US-11-982-274-1472	Sequence 1472, Ap
6	85	2.5	573	3	US-12-089-646-48	Sequence 8, Appl
7	83.5	2.5	500	3	US-12-171-923-18	Sequence 18, Appl
8	82.5	2.5	852	3	US-12-177-925-4	Sequence 4, Appl
9	82.5	2.5	2513	2	US-11-982-010-1262	Sequence 1262, Ap
10	82.5	2.5	2513	2	US-11-982-274-1262	Sequence 1262, Ap
11	82	2.4	479	3	US-12-135-071A-18	Sequence 18, Appl
12	82	2.4	513	2	US-11-982-010-1221	Sequence 1221, Ap
13	82	2.4	513	2	US-11-982-274-1221	Sequence 1221, Ap
14	81.5	2.4	322	3	US-12-169-527-2468	Sequence 2468, Ap
15	81.5	2.4	325	2	US-11-982-010-1636	Sequence 1636, Ap
16	81.5	2.4	325	2	US-11-982-274-1636	Sequence 1636, Ap
17	81.5	2.4	878	3	US-12-169-527-70	Sequence 70, Appl
18	81.5	2.4	1193	3	US-12-210-770-27	Sequence 27, Appl
19	80.5	2.4	1193	3	US-12-210-770-25	Sequence 25, Appl
20	80	2.4	359	2	US-11-982-010-1205	Sequence 1205, Ap
21	80	2.4	359	2	US-11-982-274-1205	Sequence 1205, Ap
22	80	2.4	810	2	US-11-982-010-1413	Sequence 1413, Ap
23	80	2.4	810	2	US-11-982-274-1413	Sequence 1413, Ap
24	79.5	2.4	488	3	US-12-135-071A-21	Sequence 21, Appl
25	79.5	2.4	535	2	US-11-982-010-1949	Sequence 1949, Ap
26	79.5	2.4	535	2	US-11-982-274-1949	Sequence 1949, Ap
27	79.5	2.4	1885	3	US-12-181-855A-22	Sequence 22, Appl
28	78.5	2.3	480	3	US-12-135-071A-15	Sequence 15, Appl
29	78.5	2.3	1382	3	US-12-163-889-2	Sequence 2, Appl
30	77.5	2.3	324	2	US-11-982-010-1909	Sequence 1909, Ap
31	77.5	2.3	324	2	US-11-982-274-1909	Sequence 1909, Ap
32	77.5	2.3	1579	3	US-12-135-911-2	Sequence 2, Appl
33	77	2.3	563	2	US-11-982-010-1510	Sequence 1510, Ap
34	77	2.3	563	2	US-11-982-274-1510	Sequence 1510, Ap
35	76.5	2.3	427	3	US-12-218-975-1579	Sequence 1579, Ap
36	76.5	2.3	990	3	US-12-169-527-72	Sequence 72, Appl
37	76	2.3	351	2	US-11-982-010-1745	Sequence 1745, Ap
38	76	2.3	351	2	US-11-982-274-1745	Sequence 1745, Ap
39	76	2.3	572	3	US-12-218-975-1639	Sequence 1639, Ap
40	76	2.3	1057	3	US-12-169-527-90	Sequence 90, Appl
41	75.5	2.3	579	3	US-12-218-975-544	Sequence 544, App
42	75.5	2.3	579	3	US-12-218-975-1432	Sequence 1432, Ap
43	75.5	2.3	766	2	US-11-982-010-1951	Sequence 1951, Ap
44	75.5	2.3	766	2	US-11-982-274-1951	Sequence 1951, Ap
45	75.5	2.3	1609	2	US-11-928-477-75	Sequence 75, Appl

ALIGNMENTS

RESULT 1

US-11-982-010-1020

; Sequence 1020, Application US/11982010

; Publication No. US20090044297A1

; GENERAL INFORMATION

; APPLICANT: Adams, Thomas R

; APPLICANT:Andersen, Scott E.

; APPLICANT:Cao, Yongwei

; APPLICANT:Conner, Timothy W.

; APPLICANT:Dotson, Stanton B.
; APPLICANT:Edgerton, Michael D
; APPLICANT:Heck, Gregory R.
; APPLICANT:Kovalic, David K.
; APPLICANT:La Rosa, Thomas J.
; APPLICANT:Lee, Gary
; APPLICANT:Liu, Jingdong
; APPLICANT:Lutfiyyya, Linda L.
; APPLICANT:Nelson, Donald E.
; APPLICANT:Wu, Jingrui
; APPLICANT:Xie, Zhidong
; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
; FILE REFERENCE: 38-21(52016)A
; CURRENT APPLICATION NUMBER: US/11/982,010
; CURRENT FILING DATE: 2008-10-18
; PRIOR APPLICATION NUMBER: 10/678,588
; PRIOR FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/438,246
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: 10/155,881
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 09/816,660
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: 09/565,306
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/132,860
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 10/424,599
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 09/985,678
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 09/304,517
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/874,708
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 60/211,750
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/684,016
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: 10/425,114
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 10/219,999
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/312,544
; PRIOR FILING DATE: 2001-08-15

; PRIOR APPLICATION NUMBER: 60/324,109
 ; PRIOR FILING DATE: 2001-09-21
 ; PRIOR APPLICATION NUMBER: 11/491,125
 ; PRIOR FILING DATE: 2006-08-24
 ; PRIOR APPLICATION NUMBER: 60/144,351
 ; PRIOR FILING DATE: 1999-07-20
 ; PRIOR APPLICATION NUMBER: 60/163,469
 ; PRIOR FILING DATE: 1999-11-01
 ; PRIOR APPLICATION NUMBER: 60/177,203
 ; PRIOR FILING DATE: 2000-01-21
 ; PRIOR APPLICATION NUMBER: 60/184,162
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 09/620,392
 ; PRIOR FILING DATE: 2000-07-19
 ; NUMBER OF SEQ ID NOS: 1962
 ; SEQ ID NO 1020
 ; LENGTH: 1511
 ; TYPE: PRT
 ; ORGANISM: *Saccharomyces cerevisiae*
 US-11-982-010-1020

Query Match 18.0%; Score 602; DB 2; Length 1511;
 Best Local Similarity 28.5%; Pred. No. 3.2e-48;
 Matches 187; Conservative 121; Mismatches 257; Indels 92; Gaps 24;

Qy	35 AVLSFHNCYRVKLSKGFLPCRKPVEKEILSNINGIMKPG-LNAILGPTGGGKSSLVDL 93
	: : : : : : : : : : : : : : :
Db	867 AIFHWRNLNCYQIKA-----ETRRILNNVGDGVVKPGTLTALMGASAGKTTLDCL 918
Qy	94 AARKDPGSGLGDVLINGAAPR PANFKCNSGYVVQDDVVMGTLTVRENLQFSAALRLATTMT 153
	: : : : : : : : : : : : : :
Db	919 AERVTMGVITGDLVNGIIPRDKSFPSRISGYCQQQDLHLKTATVRESLRFSAYLRQPAEVS 978
Qy	154 NHEKNERINRVIQELGLDKVADSKVGTQFIRGVSGGERKRTSIGMELITDPSIL-FLDEP 212
	: : : : : : : : : : : : : :
Db	979 IEEKNRYVEEVKILEMEKYADAVVGVAG-EGLNV EQRKRLLTIGVELTAKPKLLVFLDEP 1037
Qy	213 TTGLDSSTANAVLLLKRM SKQGRTIIFSIHQPRYSIFKLFDSLTL -ASGRLMFHGP AQ 271
	: : : : : : : : : : : : : :
Db	1038 TSGLDSQTAWSICQLMKKLLAHGQAILCTIHQPSA ILM QEFDRLLFMQRGGKTVYFGDLG 1097
Qy	272 EA---LGYFESAGYH-CEAYNNP ADFFLDIINGDSTAVALNREEDFKATEIIEPSKQDK 326
	: : : : : : : : : : : : : :
Db	1098 EGCKTMIDYFESHGAHKCPADANPAEWML EVV --GAAPGSHANQDY----- 1141
Qy	327 PLIEKLAIEYVNSSFYKETKAELHQLSGG-EKKKKITVFKE-ISYTTSFCHQLRWVSKRS 384
	: : : : : : : : : : : : : : :
Db	1142 -----YEVWRNSEYRAVQSELDW MERE LPKKGSITAAEDKHEF3QSIIYQTKLVSIRL 1195
Qy	385 FKNL LGNPQASIAQIIVTVV LGLVIGAIYFGLKNDSTGIQNRAGVLF LTTNQCFSSVSA 444
	: : : : : : : : : : : : : : :
Db	1196 FQQYWRSPDYLWSKFILTIFNQLFIGFTFFKAGTSQGLQNQMLAVFMFTV--IFNPILQ 1253
Qy	445 VEL--FVVEKKLF-IHEYISGYRVSSYFLGKLLSDLLPMTMLPSIIFT CIVYFMLGLKP 501
	: : : : : : : : : : : : : :
Db	1254 QYLPSEFVQQRDLYEARERSRTF SWISIF A QIFVE-VPWNILAGTIAYI YYYPIGFYS 1312

Db	979	IEEKNRYVEEVKILEMEKYADAVVGVAG-EGLNVEQRKRLTIGVELTAKPKLVLFDLDEP 1037
Qy	213	TTGLDSTANAVLLLKRMISKQGRTTIFSIHQPRYSIFKLFDSLTL-L-ASGRLMFHGPAQ 271
Db	1038	TSGLDSQTAWSICQLMKKLHNGQAILCTIHQPSA1MQEFDRLMFQRGGGKTVYFGDLG 1097
Qy	272	EA----LGYFESAGYH-CEAYNNPADFFLDIINGDSTAVALNREEDFKATEIIIEPSKQDK 326
Db	1098	EGCKTMIDYFESHGAHKCPADANPAEWMLLEV--GAAPGSHANQDY----- 1141
Qy	327	PLIEKLAIEIVNSSFYKETKAELHQLSGG-EKKKKITVFKE-ISYTSFCHQLRWVSKRS 384
Db	1142	-----YEVRNSEEYRAVQSELDWERMERELPKKGSTIAAEKDHEFSQSIIYQTKLVSIRL 1195
Qy	385	FKNLLGNPQASIAQIIVTVVGLVIGAIYFGLKNDSTGIQNRAGVLFFLTTNQCFSSVSA 444
Db	1196	FQQYWRSPDYLWSKFILTIFNQLFIGTFFKAGTSLQGLQNQMLAVFMFTV--IFNPILQ 1253
Qy	445	VEL--FVVEKKLF-IHEYISGYYRVSSYFLGKLLSDLLPMTMLPSIIFTCIVYFMLGLKP 501
Db	1254	QYLPSFVQQRDLYEARERPSRTFSWISFIFAQIFVE-VPWNILAGTIAYFIYYPIGFYS 1312
Qy	502	KADAFFVM----MFTLMMVAY--SASSMALAIAAGQSUVSVATLLMTICFVFMMIFSGL 554
Db	1313	NASAAGQLHERGALFWLFSCAFYVYVGSMGLLVISFNQVAESAANLASLLFTMSLFCGV 1372
Qy	555	LVNLTTIAS-WL----SWLQYF-----SIPRYGFTALQHNE 585
Db	1373	MTTPSAMPRWFIMYRVSPLTYFIQALLAVGVANVDVKCADYELLEFTPPSGMTCGQYME 1432
Qy	586	----FLGQNFCPGLNATGNNPNCNYA-TCTGEEYLVKQKGIDLSPWGLWKNHVACM 637
Db	1433	PYLQLAKTGYLTDEN--DTCSCFCQ1STTNDYLANVNSFYSE--RWRNYGIFICYI 1485

RESULT 3

US-11-769-326-53

; Sequence 53, Application US/11769326

; Publication No. US20090047277A1

; GENERAL INFORMATION:

; APPLICANT: Reed, Jennifer Lynne

; TITLE OF INVENTION: RECOMBINANT IL-9 ANTIBODIES AND USES

; TITLE OF INVENTION: THEREOF

; FILE REFERENCE: 10271-112-999

; CURRENT APPLICATION NUMBER: US/11/769,326

; CURRENT FILING DATE: 2007-07-02

; PRIOR APPLICATION NUMBER: US/10/823,253A

; PRIOR FILING DATE: 2004-04-12

; PRIOR APPLICATION NUMBER: 60/477,797

; PRIOR FILING DATE: 2003-06-10

; PRIOR APPLICATION NUMBER: 60/462,259

; PRIOR FILING DATE: 2003-04-11

; NUMBER OF SEQ ID NOS: 65

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 53

; LENGTH: 808

; TYPE: PRT
; ORGANISM: *Homo sapien*
US-11-769-326-53

```

Query Match          4.9%;  Score 163;  DB 2;  Length 808;
Best Local Similarity  25.4%;  Pred. No. 1.5e-07;
Matches  63;  Conservative  48;  Mismatches  97;  Indels  40;  Gaps  11;
Gaps  11;

y      63 ILSNINGIMKPG-LNAILGPTGGGKSSLVDLAAARKDPSGLSGDVLINGAPR PANFKCNS 121
      :| :  ::|| : ::|| | ||:: :|  ::|  || | :|| | |  :
b      580 VLQGLTFTLRPGEVTALVGPNNGSKSTVAALLQNLQYQPTG--GQLLLDGKPLP---QYEH 634
      :
y      122 GY-----VVQDDVVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQE----- 167
      |  || | :| |  ::|| |  :|  || |  |  :
b      635 RYLRHQVAAVGQEPQVFGR-SLQENIAYG-----LTQKPTMEEITAAAVKSGAHSFI 685
      :
y      168 LGLDKVADSKV--GTQFIRGVSGGERKRTSIGMELITDPSILFILDEPTTGLDSSTANAV 224
      || :| ::| | :|  ::|| | :|  || | :| |  ::| |  ::| |  :
b      686 SGLPQGYDTEVDEAGSQ---LSGGQRQAVALARALIRKPCVLILDDATASALDANSQLQV 741
      :
y      225 LLLLKRMSKQGRRTIIFSIHQPRYSIFKLFDSLTLASGRLMFHGPQAQEALGYFESAGYHC 284
      ||  ::| :| | | :|  :| | :| |  | | :| |  |  :
b      742 EQLLYESPERYRSRSLVLLTQ-HLSLVEQADHILFLEGGAIREGGTHQQLM---EKKGCYW 797
      :
y      285 EAYNNPAD 292
      |||
b      798 AMVQAPAD 805
      :

```

RESULT 4

US-11-982-010-1472

; Sequence 1472, Application US/11982010
; Publication No. US20090044297A1

GENERAL INFORMATION

; APPLICANT: Adams, Thomas R
; APPLICANT: Andersen, Scott E.
; APPLICANT: Cao, Yongwei
; APPLICANT: Conner, Timothy W.
; APPLICANT: Dotson, Stanton B.
; APPLICANT: Edgerton, Michael D
; APPLICANT: Heck, Gregory R.
; APPLICANT: Kovalic, David K.
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Lee, Gary
; APPLICANT: Liu, Jingdong
; APPLICANT: Lutfiyya, Linda L.
; APPLICANT: Nelson, Donald E.
; APPLICANT: Wu, Jingrui
; APPLICANT: Xie, Zhidong
TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
FILE REFERENCE: 38-21(52016)A
CURRENT APPLICATION NUMBER: US/11/982,010
CURRENT FILING DATE: 2008-10-18
PRIOR APPLICATION NUMBER: 10/678,588
PRIOR FILING DATE: 2003-10-02
PRIOR APPLICATION NUMBER: 60/415,758
PRIOR FILING DATE: 2002-10-22

; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/438,246
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: 10/155,881
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 09/816,660
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: 09/565,306
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/132,860
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 10/424,599
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 09/985,678
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 09/304,517
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/874,708
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 60/211,750
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/684,016
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: 10/425,114
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 10/219,999
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/312,544
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 11/491,125
; PRIOR FILING DATE: 2006-08-24
; PRIOR APPLICATION NUMBER: 60/144,351
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/163,469
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: 60/177,203
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 60/184,162
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 09/620,392
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1472
; LENGTH: 509
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana

US-11-982-010-1472

Query Match 2.6%; Score 86; DB 2; Length 509;
 Best Local Similarity 18.8%; Pred. No. 1.2;
 Matches 73; Conservative 53; Mismatches 126; Indels 136; Gaps 17;

Qy 333 AEIYVNNSFYKETKAELHQLSGGEKKKKITVFKEISYTTSFCHQLRWVSKRSFKNLLGNP 392
 || ||:: ||:: ||:: ||:: || : | | | : : || || |
 Db 6 AERAANNATALETQSSPEDLSQSPSLRKIISVASIAAVQFWALQLSLLTPYIQLLGIP 65

Qy 393 Q-----ASIAQIIITVVLG-----LVIGAIY----- 413
 | : || : || : || : || : || : || : || : || : ||
 Db 66 HKWSSYMWLCGPISGMIVQPIVGYHSDRCESRFGRRRPFIAAGVALVAVSVFLIGFAADM 125

Qy 414 ---FGLKNDSTGIQNRAVGVLFFL-----TNQ 437
 || | :: : || : || : || : || : || : || : || : ||
 Db 126 GHSFGDKLENK-VRTRA-IIIIFTGFWFLDVANNTLQGPCRAFLADLAAGDAKKTRVANA 183

Qy 438 CFSSSAVELFVVEKKLFIFIHEYISGYYRVSSTFLGKLLSDLLPMTMLPSIIFTCIVYFML 497
 ||| ||| : | : | | : | : || | : | : ||| : | : |||
 Db 184 CFSFFMAGV-----NVLGYAAGSY-----TNLHKMFPFTMTKA---CDIY-CA 222

Qy 498 GLKPKADAFFVMMFTLMMVAYSA---SSMALIAAGQSUVSVATLLMTICFVFMMIFSG 553
 || | | : | : | : | : | : | : | : | : | | |||
 Db 223 NLK---TCFFLSITLLLIVTFSSLWYVVDKQWSPPQGDKEEKTSSL---FFFGEIFGA 274

Qy 554 -----LLVNLTTIASWLSLWLYQFSIPRYGFTALQHNEFLGQNFPCGLNATGNNPNCNY 605
 :: : | : | : | : | : | : | : | : | : | : | : | : |
 Db 275 VRHMKRPMVMLLIITVINVIAWPFI-----LYDTDWMSGREVYGG-NSDGDE--- 320

Qy 606 ATCTGEEYLVKQGIDLSPWGLWKNHVAL 633
 : | | : | | : | : | : | : | : | : | : | : | : | : |
 Db 321 ----RSKKLYDQGVQAGALGLMFNSILL 344

RESULT 5

US-11-982-274-1472

; Sequence 1472, Application US/11982274
 ; Publication No. US20090049573A1
 ; GENERAL INFORMATION
 ; APPLICANT: Adams, Thomas H
 ; APPLICANT:Dotson, Stanton B.
 ; APPLICANT:Edgerton, Michael D
 ; APPLICANT:Lee, Gary
 ; APPLICANT:Nelson, Donald E.
 ; APPLICANT:Wu, Jingrui
 ; APPLICANT:Xie, Zhidong
 ; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
 ; FILE REFERENCE: 38-21(52596)A
 ; CURRENT APPLICATION NUMBER: US/11/982,274
 ; CURRENT FILING DATE: 2008-10-04
 ; PRIOR APPLICATION NUMBER: 10/678,588
 ; PRIOR FILING DATE: 2003-10-02
 ; PRIOR APPLICATION NUMBER: 60/415,758
 ; PRIOR FILING DATE: 2002-10-02
 ; PRIOR APPLICATION NUMBER: 60/425,157
 ; PRIOR FILING DATE: 2002-11-08

; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1472
; LENGTH: 509
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-982-274-1472

Query Match 2.6%; Score 86; DB 2; Length 509;
Best Local Similarity 18.8%; Pred. No. 1.2;
Matches 73; Conservative 53; Mismatches 126; Indels 136; Gaps 17;

Qy 333 AEIYVNNSFYKETKAELHQLSGGEKKKKITVFKEISYTTSFCHQLRWSKRSFKNLLGNP 392
|| :: ||:: || :|| :|| :| :| :| :| :| :|
Db 6 AERAANNATALETQSSPEDLSQPSPLRKIISVASIAAGVQFGWALQLSLLTPYIQLLGIP 65

Qy 393 Q-----ASIAQIIVTVVLG-----LVIGAIY----- 413
| :| ::| :| :| :| :| :|
Db 66 HKWSSYMWLCGPISGMIVQPIVGYHSDRCESRFGRRRPFIAAGVALVAVSVFLIGFAADM 125

Qy 414 ---FGLKNDSTGIQNRAVGVLFFLT-----TNQ 437
|| | ::| :| :| :| :| :|
Db 126 GHSFGDKLENK-VRTRA-IIIIFTGFWFLDVANNTLQGPCRFLADLAAGDAKKTRVANA 183

Qy 438 CFSSVSAVELFVVEKKLFIFIHEYISGYYRVSSYFLGKLLSDLLPMTMLPSIIFTICIVYFML 497
||| || :| :| :| :| :| :| :| :| :| :|
Db 184 CFSFFMVAVG-----NVLGYAAGSY-----TNLHKMFPFTMTKA---CDIY-CA 222

Qy 498 GLKPkadaffvmmftlmmvaysa----SSMALAIAAGQSVVSVATLLMTICFVFMMIFSG 553
||| ||| :| :| :| :| :| :| :| :| :|
Db 223 NLK---TCFFLSITLLLIVTFSSLWYVVKDKQWSPPQGDKEEKSSL----FFFGEIFGA 274

Qy 554 -----LLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGNNPCNY 605
:| :| :| :| :| :| :| :| :| :|
Db 275 VRHMKRPMVMLLIYTIVNWIAWFPFI-----LYDTDWMGREVYGG-NSDGDE---- 320

Qy 606 ATCTGEEYLVKQGIDLSPWGWLWKNHVAL 633
:| :| :| :| :|
Db 321 ----RSKKLYDQGVQAGALGLMFNSILL 344

RESULT 6

US-12-089-646-8

; Sequence 8, Application US/12089646
; Publication No. US20090042219A1
; GENERAL INFORMATION
; APPLICANT: MORIYAMA et al.
; TITLE OF INVENTION: Novel Transporter Protein in Mammal and Utilization of the Same
; FILE REFERENCE: 14119.105012
; CURRENT APPLICATION NUMBER: US/12/089,646
; CURRENT FILING DATE: 2008-04-09
; PRIOR APPLICATION NUMBER: PCT/JP2006/320409
; PRIOR FILING DATE: 2006-10-12
; PRIOR APPLICATION NUMBER: JP 2005-300851
; PRIOR FILING DATE: 2005-10-14
; PRIOR APPLICATION NUMBER: JP 2006-156458

; PRIOR FILING DATE: 2007-07-12
 ; NUMBER OF SEQ ID NOS: 1126
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 18
 ; LENGTH: 500
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-12-171-923-18

Query Match 2.5%; Score 83.5; DB 3; Length 500;
 Best Local Similarity 18.3%; Pred. No. 2;
 Matches 65; Conservative 61; Mismatches 151; Indels 79; Gaps 16;

Qy 65 SNINGIMKPGLNAILGLPTGGG--KSSLLDVLAARKDPGSLGSDGVILINGAPR PANFKCN-- 120
 :: ||: | : | | || : | | : : | : :: || : | |
 Db 51 THANGLDSPPMFAGAG-LGGTPCRKSYEDCAGSIMEDSAIKCEYMLNAIPKRLCLVCGDI 109

Qy 121 -SGY---VVQDDVVMTGTL--TVRENLFQFSAALRATTMTNHEKNE-----RINRV 164
 ||| | : |::|::| :| : :| : :| : :| : :| :
 Db 110 ASGYHYGVASCEACKAFFKRTIQGNIEYSCPATNECEITKRRRKSCACRFMKCLKGML 169

Qy 165 IQELGLDKV-----ADSKVGTQFIRGVSGGERKRTS--IGMELITDPSILFLEP 212
 : : ||: | ||: | : | : | : | : | : | : | : |
 Db 170 KEGVRLDRVRGGRQKYKRRLDSESSSPYLSLQISPPAKPLTKIVSYLLVAEPDKLYA-MP 228

Qy 213 TTGLDSSTANAVLLLKRM SKQGR TII-FSIHQPRYSIFKLFDSLTLASG--RLMFHGP 269
 |: | : | : || : | | : | | : || | : | : |
 Db 229 PPGMPEGDIKAL TTLCDIADRELVIIIGWAKHIPGFSSLSLGQMSLLQSAWMEILILGI 288

Qy 270 AQEALGYFESAGYHCEAYNNPADEFLLDIINGDSTAVALNREEDFKATEIIEPSKQDKPLI 329
 : | | : | | : | || : | : | : | : | : |
 Db 289 VYRSLPYDDKLVY-----AEDYIMD-----EEHSRLAGLLELYRAILQLV 328

Qy 330 EKLAEIYVNSSFYKETKAELHQLSGGEKKKKITVFKEISYTTS--FCHQLRWVSK 382
 : | : | | : | : | : | : | : | : | : |
 Db 329 RR-----YKKLKVE-----KEEFVTLKALALANSDSMYIEDLEAVQK 365

RESULT 8

US-12-177-925-4

; Sequence 4, Application US/12177925
 ; Publication No. US20090047736A1
 ; GENERAL INFORMATION
 ; APPLICANT: ADLER, JON ELLIOT
 ; APPLICANT: LI, XIAODONG
 ; APPLICANT: STASZEWSKI, LENA
 ; APPLICANT: O'CONNELL, SHAWN
 ; APPLICANT: ZOZULYA, SERGEY
 ; TITLE OF INVENTION: HUMAN T1R2 NUCLEIC ACID SEQUENCES AND POLYPEPTIDES
 ; FILE REFERENCE: 67824.428926
 ; CURRENT APPLICATION NUMBER: US/12/177,925
 ; CURRENT FILING DATE: 2008-10-06
 ; PRIOR APPLICATION NUMBER: 10/725,284
 ; PRIOR FILING DATE: 2003-12-02
 ; PRIOR APPLICATION NUMBER: 10/035,045
 ; PRIOR FILING DATE: 2002-01-03
 ; PRIOR APPLICATION NUMBER: 60/259,227

; APPLICANT:Wu, Jingrui
; APPLICANT:Xie, Zhidong
; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
; FILE REFERENCE: 38-21(52016)A
; CURRENT APPLICATION NUMBER: US/11/982,010
; CURRENT FILING DATE: 2008-10-18
; PRIOR APPLICATION NUMBER: 10/678,588
; PRIOR FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/438,246
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: 10/155,881
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 09/816,660
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: 09/565,306
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/132,860
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 10/424,599
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 09/985,678
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 09/304,517
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/874,708
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 60/211,750
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/684,016
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: 10/425,114
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 10/219,999
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/312,544
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 11/491,125
; PRIOR FILING DATE: 2006-08-24
; PRIOR APPLICATION NUMBER: 60/144,351
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/163,469
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: 60/177,203

; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 60/184,162
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 09/620,392
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1262
; LENGTH: 2513
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-11-982-010-1262

Query Match 2.5%; Score 82.5; DB 2; Length 2513;
Best Local Similarity 19.6%; Pred. No. 32;
Matches 106; Conservative 89; Mismatches 224; Indels 121; Gaps 27;

Qy	147 RLATTMTNHEKNERINRVIQELGL---DKVADSK----VGTQFIRGVSGGERKRTSIG 197
: :: : : : : : : : :: :	
Db	1552 RAYSNMVRVQQLSELEEVIEYYTLPVGNTIAEERRALIRLNMTQRIQ---GSKRNVEWV 1607
Qy	198 MELITDPSILFLDEPTTGLDSSTANAVLLLLKRMKSQGRTIIFSIHQPRYSIFKLFDSL 257
: :: :: :	
Db	1608 QALLAVRALVL--PPTEDVETWLKFASL----CRKSGR----ISQAKSTLLKLLPFDP 1655
Qy	258 LLASGRLMFHGPQAQEALGYFE---SAGYHCEAYNNPADFFLDIINGDSTAVALNREEDFK 314
:: : :	
Db	1656 EVSPENMQYHGPPQVMGLYKQWSLGE--ERKRKEAFTKLQLITRELSSVP-HSQSDIL 1712
Qy	315 ATEIIIEPSKQDKPLIEKLAIEIYVNSSFYKETKAELHQLSGGEKKKKITVFKEISYTTSPC 374
: ::	
Db	1713 AS-MVSSKGANVPL---LARVNKLGTWQ---WALSSGLNDGSIQEIRD-AFDKSTC 1761
Qy	375 HQLRWRVSK---RSFKNLLGNPQASIAQIIVTVVLGLVIGAIY-FGLKNDSTGIQNRAVG 429
:	
Db	1762 YAPWKAWAHWTWALFNTAVMSHYIISRGQIASQYVVAUTGYFYSIACAANAKGVDDSLQD 1821
Qy	430 LFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLPM-TMLPSII 488
:	
Db	1822 ILRLLT-LWFNHGATADVQATALKTGFSHVNINTWLVLVLPQIIARIHSNNRALEIQSLL 1880
Qy	489 FTCIVYFMLGLK-FKADAFFVMMETLMMVAYASSMALAIAAGQSUVSVATLLMTICFVF 547
:	
Db	1881 -----IRIGENHPQA---LMYPLLACKSISN--LRRAAAQEVDK----- 1916
Qy	548 MMIFSGLLVNLTTIAS-----WLSWLQYFSIPRYG----- 577
:	
Db	1917 VRQHSGALVDQAQLVSHELIRVAILWHEMWEALEEASRLYFGEHNLKVLEPLHDM 1976
Qy	578 -----FTALQHNEFLG-QNFCPG-----LNATGNNPNCNYATCTGEEYLVKQGIDL 621
:	
Db	1977 LDEGVKKDSTTIQERAFIEVGNFNPGLAYRHELKEAHECCCNY-KITGKDAELTQAWDL 2035

RESULT 10

US-11-982-274-1262

; Sequence 1262, Application US/11982274

; Publication No. US20090049573A1

; GENERAL INFORMATION
 ; APPLICANT: Adams, Thomas H
 ; APPLICANT:Dotson, Stanton B.
 ; APPLICANT:Edgerton, Michael D
 ; APPLICANT:Lee, Gary
 ; APPLICANT:Nelson, Donald E.
 ; APPLICANT:Wu, Jingrui
 ; APPLICANT:Xie, Zhidong
 ; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
 ; FILE REFERENCE: 38-21(52596)A
 ; CURRENT APPLICATION NUMBER: US/11/982,274
 ; CURRENT FILING DATE: 2008-10-04
 ; PRIOR APPLICATION NUMBER: 10/678,588
 ; PRIOR FILING DATE: 2003-10-02
 ; PRIOR APPLICATION NUMBER: 60/415,758
 ; PRIOR FILING DATE: 2002-10-02
 ; PRIOR APPLICATION NUMBER: 60/425,157
 ; PRIOR FILING DATE: 2002-11-08
 ; PRIOR APPLICATION NUMBER: 60/463,787
 ; PRIOR FILING DATE: 2003-04-18
 ; NUMBER OF SEQ ID NOS: 1962
 ; SEQ ID NO 1262
 ; LENGTH: 2513
 ; TYPE: PRT
 ; ORGANISM: Arabidopsis thaliana
 US-11-982-274-1262

Query Match 2.5%; Score 82.5; DB 2; Length 2513;
 Best Local Similarity 19.6%; Pred. No. 32;
 Matches 106; Conservative 89; Mismatches 224; Indels 121; Gaps 27;

Qy	147 RLATTMTNHEKNERINRVIQELGL---DKVADSK-----VGTQFIRGVSGGERKRTSIG 197
: :: : : : :: : : : :: : :	
Db	1552 RAYSNMVRVQQLSELEEVIEYYTLPVGNTIAERRALIRNMWTQRIQ---GSKRNVEWV 1607
Qy	198 MELITDPSILFLDEPTTGLDSSTANAVLLLLKRMKSQGRTIIFSIHQPRTSIFKLFDSLT 257
: :: :: : ::	
Db	1608 QALLAVRALVL--PPTEDVETWLKFASL---CRKSGR---ISQAKSTLLKLLPFDP 1655
Qy	258 LLASGRMLMFHGPQAEGALGYFE---SAGYHCEAYNNPADDFFLDIINGDSTAVALNREEDFK 314
:: : : : : : :: :	
Db	1656 EVSPENMQYHGPPQVMGLYLYKQWSLGE--ERKRKEAFTKLQILTRELSSVP-HSQSDIL 1712
Qy	315 ATEIIIEPSKQDKPLIEKLAEIYVNNSFYKETKAELHQLSGGEKKKKITVFKEISYTTSC 374
: :: : : : :: : :: :	
Db	1713 AS-MVSSKGANVPL---LARVNLKLTWQ---WALSSGLNDGSIQEIRD-AFDKSTC 1761
Qy	375 HQLRWSVK---RSFKNLLGNPQASIAQIIVTVLGLVIGAIY-FGLKNDSTGIQNRAVG 429
: : : :	
Db	1762 YAPKWAKAWHTWALFNTAVMSHYISRGQIASQYVSAVTGYFYSIACAANAKGVDDSLQD 1821
Qy	430 LFFLTTNQCFSSVSAEFLVVEKKLFIHEYISGYYRVSFVFLGKLLSDLLPM-TMLPSII 488
: : : : : : : : : :	
Db	1822 ILRLLT-LWFNHGATADVQTALKTGFSHVNINTWLWVLPQIIARIHSNNRAVRELIQSL 1880
Qy	489 FTCIVYFMLGLK-PKADAFFVMMTLLMMVASSMALAIAAGQSVVSATLMLTICFVF 547
: : : : :	

QY	325 DKPLIEKLAEI--YVNSSFYKETKAL---HQLSGGEKKKKITV--FKEISYTTs 372 : : : : : : : : : : : : : : : :
Db	387 DEQLKSGTASVVCLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDKSTYSLs 441

RESULT 12
US-11-982-010-1221
; Sequence 1221, Application US/11982010
; Publication No. US20090044297A1
; GENERAL INFORMATION
; APPLICANT: Adams, Thomas R
; APPLICANT:Andersen, Scott E.
; APPLICANT:Cao, Yongwei
; APPLICANT:Conner, Timothy W.
; APPLICANT:Dotson, Stanton B.
; APPLICANT:Edgerton, Michael D
; APPLICANT:Heck, Gregory R.
; APPLICANT:Kovalic, David K.
; APPLICANT:La Rosa, Thomas J.
; APPLICANT:Lee, Gary
; APPLICANT:Liu, Jingdong
; APPLICANT:Lutfiyya, Linda L.
; APPLICANT:Nelson, Donald E.
; APPLICANT:Wu, Jingrui
; APPLICANT:Xie, Zhidong
; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
; FILE REFERENCE: 38-21(52016)A
; CURRENT APPLICATION NUMBER: US/11/982,010
; CURRENT FILING DATE: 2008-10-18
; PRIOR APPLICATION NUMBER: 10/678,588
; PRIOR FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/438,246
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: 10/155,881
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 09/816,660
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: 09/565,306
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/132,860
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 10/424,599
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 09/985,678

;
 PRIOR FILING DATE: 2001-11-05
 ; PRIOR APPLICATION NUMBER: 09/304,517
 ; PRIOR FILING DATE: 1999-05-06
 ; PRIOR APPLICATION NUMBER: 09/874,708
 ; PRIOR FILING DATE: 2001-06-05
 ; PRIOR APPLICATION NUMBER: 60/211,750
 ; PRIOR FILING DATE: 2000-06-15
 ; PRIOR APPLICATION NUMBER: 09/684,016
 ; PRIOR FILING DATE: 2000-10-10
 ; PRIOR APPLICATION NUMBER: 10/425,114
 ; PRIOR FILING DATE: 2003-04-28
 ; PRIOR APPLICATION NUMBER: 10/219,999
 ; PRIOR FILING DATE: 2002-08-15
 ; PRIOR APPLICATION NUMBER: 60/312,544
 ; PRIOR FILING DATE: 2001-08-15
 ; PRIOR APPLICATION NUMBER: 60/324,109
 ; PRIOR FILING DATE: 2001-09-21
 ; PRIOR APPLICATION NUMBER: 11/491,125
 ; PRIOR FILING DATE: 2006-08-24
 ; PRIOR APPLICATION NUMBER: 60/144,351
 ; PRIOR FILING DATE: 1999-07-20
 ; PRIOR APPLICATION NUMBER: 60/163,469
 ; PRIOR FILING DATE: 1999-11-01
 ; PRIOR APPLICATION NUMBER: 60/177,203
 ; PRIOR FILING DATE: 2000-01-21
 ; PRIOR APPLICATION NUMBER: 60/184,162
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 09/620,392
 ; PRIOR FILING DATE: 2000-07-19
 ; NUMBER OF SEQ ID NOS: 1962
 ; SEQ ID NO 1221
 ; LENGTH: 513
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 US-11-982-010-1221

Query Match 2.4%; Score 82; DB 2; Length 513;
 Best Local Similarity 18.9%; Pred. No. 2.9;
 Matches 104; Conservative 69; Mismatches 144; Indels 234; Gaps 27;

Qy	90 LDVLAARKDPGSGDVLI-----NGAPRPANFKCNSGYVVQDDVVMGTLTVRENL 140
	:
Db	16 LATLAAHLLPSDATSAAILHPHRLSAPTDLPPANLK-----GTLTV---- 58
Qy	141 QFSAAHLRATTMTNHEKNERINRVIQELGLDKVADSKVGTQFIRGVSGGERKRTSIGMEL 200
	: : :: : : : :
Db	59 -----VDERTGKKYQ---IEVTPDGTVRASDFKKISSGKNDK---GLKL 96
Qy	201 ITDPSILFLDEPTTGLDSSTANAVLLLKRMSKQGRTIIFSIHQPRYSIFKLFDSLTLA 260
	: : : : :
Db	97 Y-DPGYLNNTAPVISRISYIDGAGILRYR-----GPIEDLAEKSTFTE 139
Qy	261 SGRLMFHG--PAQEALGYFESA-----GY 282
	: : :: :
Db	140 VSYLILYGNLPSESQLAEWEFALSQHSAVPQGVLDMIESMPHDAHPMGMLVNAMSALSVF 199
Qy	283 HCEAYNNPADFFLDIINGDSTAVALNREEDFKATEIIEPSKQ--DKPLIEKLAEIYVNSS 340

Db	200	HPDA--NPALKGLDIYN-----											SKQVRDKQIARVIGKITTIAA 235
Qy	341	FYKETKAELHQLSGEKKKKITVFKEISYTTSFCHQLRWVSKRSPFKNLGNPQASIAQII	400										
Db	236	-----AINLRLAG--RPPVLPNSKLSYTFENFLYMLDSFGNRSYK--PNPRLTRALDI	283										
Qy	401	V-----TVVLGLVIGAIY--FGLKNDST-----G	422										
Db	284	IFVLAHEHEMNCSTS A VRHLS SSGV DVYTAIAG-AVGALYGPLHGGANEAVL KMLSEIGT	342										
Qy	423	IQN-----RAGVLFLLTNQCFSSVS--A VELFVVE	451										
Db	343	VENIPAFIEGVKARKRKLSGFGHRYVKNYDPRAKVLRLK--TEEVE SIVGRDPLIEIAVAL	401										
Qy	452	KKLFIFIHEYISGYYRVSSYFLGKLLSDLLPMTMLPSI-IFT CIVYFMLGLKP KADAF FVMM	510										
Db	402	EKIALSD-----EYFIKRKL-----YPNVDFYSGLIYRAMGFQPE---FFT V L	441										
Qy	511	FTL-MMVAYSA 520											
Db	442	FAIPRMAGYLA 452											

RESULT 13

US-11-982-274-1221

; Sequence 1221, Application US/11982274
; Publication No. US20090049573A1
; GENERAL INFORMATION
; APPLICANT: Adams, Thomas H
; APPLICANT:Dotson, Stanton B.
; APPLICANT:Edgerton, Michael D
; APPLICANT:Lee, Gary
; APPLICANT:Nelson, Donald E.
; APPLICANT:Wu, Jingrui
; APPLICANT:Xie, Zhidong
; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
; FILE REFERENCE: 38-21(52596)A
; CURRENT APPLICATION NUMBER: US/11/982,274
; CURRENT FILING DATE: 2008-10-04
; PRIOR APPLICATION NUMBER: 10/678,588
; PRIOR FILING DATE: 2003-10-02
; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1221
; LENGTH: 513
; TYPE: PRT
; ORGANISM: Glycine max
US-11-982-274-1221

Query Match 2.4%; Score 82; DB 2; Length 513;
Best Local Similarity 18.9%; Pred. No. 2.9;

Matches	104;	Conservative	69;	Mismatches	144;	Indels	234;	Gaps	27;
Qy	90	LDVLAARKDPGSLSGDVLI-----		NGAPRPANFKCNSGYVVQDDVVMGTLTVRENL					140
			:						
Db	16	LATLAHLLPSD	ATSAAILHPHRLS	APTGDLPPANLK-----			GT	LT	58
Qy	141	QFSAA	RLRATTMTNHE	KNERINR	VIQELGLDKVADSKVGTQFIRGVSGGERKRTSIGMEL				200
:	:	: :	:	:	:	:	:		
Db	59	-----	VDERTGKKYQ	---IE	VT	PDGT	VRASDFK	KISSGKND	---GLKL 96
Qy	201	ITDPSI	FLDEPTT	GLDSS	STANAVLLL	KRMSKQGRTI	IIFSIH	QPRYSIFKLF	DSLTLA 260
	: :	: :	: :	: :					
Db	97	Y-DPGYLN	TAPVISR	ISYIDG	A	AGILRYR-----		GYPIEDLA	EKSTFT 139
Qy	261	SGRLMFHG--PAQEALGYFESA-----							GY 282
:	:		:						
Db	140	VSY	LILYGNL	PSQES	LAWEF	ALQS	HSA	AVPQGV	LDMIESM
									PHPMGMLVNAMSALS
									SVF 199
Qy	283	HCEAYNNP	ADFFLDI	INGD	STAVALN	REEDF	KATE	II	IEPSKQ--DKPLIEKLAEIYVN 340
:								:	
Db	200	HPDA--	NPALKG	LDIY	N-----		SKV	QVRDQ	KIARVIGKITTIA 235
Qy	341	FYKETK	AELHQ	LSGGE	KKK	KITVF	KEISY	TTSF	CHQLR
: :	: :	: :	: :	: :	: :				:
Db	236	-----	AINLRL	LAG--	RPV	VLP	SNKL	SYTEN	FLYMLD
									SGFGNRSYK--PNPRLTRALDI 283
Qy	401	V-----					TVVLGLV	I	GATY--FGLKNDST-----G 422
:	:	:	:	:	:	:	:	:	
Db	284	IFV	LHAEHE	HMNC	STSAVR	HLSS	SGV	DVY	TAIAG--AVG
									ALYGP
									HLGGANEAVL
									KMLSEIGT 342
Qy	423	IQN-----					RAGVL	FLLT	NQCFSSVS--A
:	:	:	:	:	:	:	:	:	:
Db	343	VENIPAF	IEGV	KARKR	KL	SGFGH	RV	YKNYD	PRAKVL
									RLK-TEEVFSIVGRDPLIEIAVAL 401
Qy	452	KKLF	IHEYIS	GYY	RVSSY	FLG	KLLS	DLLP	MTMLPSI--I
: : :	: :	: :	: :	: :	: :	: :	: :	: :	: :
Db	402	EKIALS	-----	EY	FI	KR	KL-----	Y	P
									NDYF
									SGL
									YRAMGF
									QPE---FFT
Qy	511	FTL	-MM	WAYSA	520				
:									
Db	442	FA	IPR	MA	YLA	452			

RESULT 14

US-12-169-527-2468
; Sequence 2468, Application USA/12169527
; Publication No. US20090049566A1
; GENERAL INFORMATION
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT:ZHANG, James
; APPLICANT:HEMPEL, Frederick D
; APPLICANT:ADAM, Luc
; APPLICANT:PALYS, Joseph M
; TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS
; FILE REFERENCE: MBI-0070-2CIP
; CURRENT APPLICATION NUMBER: US/12/169,527
; CURRENT FILING DATE: 2008-07-08

;
 NUMBER OF SEQ ID NOS: 10667
 ; SOFTWARE: PatentIn version 3.5
 ; SEQ ID NO 2468
 ; LENGTH: 322
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; OTHER INFORMATION: G4631,bZIP domain coordinates 192-204,234-313
 US-12-169-527-2468

Query Match 2.4%; Score 81.5; DB 3; Length 322;
 Best Local Similarity 21.7%; Pred. No. 1.6;
 Matches 44; Conservative 32; Mismatches 94; Indels 33; Gaps 8;

Qy 15 GNTNGFPATASNDLKAFTEGAVLSFHNCYRVKL-----KSGFLPCRKPVE-KEI 63
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 Db 43 GDTIGL--TATGDFVACHECGFPLCHSCYEYELKHMSQSCPQCKTAAFTSHQEGAEEVEI 100

Qy 64 LSNINGIMKPGNAILGPTGGGKSSL-----DVLAARKDPGSLSGDVILINGAPR PANFK 118
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 Db 101 DMMTDAYLDNEIN--YQGNNSKAGMLWEEDADLSSSGHDSQIPNPHLANGQPM SGEFP 158

Qy 119 CNSGYVVQDDVVMTLT VRENLQFSAALRATTMTNHEKNERINRVIQELGLDKV---- 173
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 Db 159 C---ATSDAQSMQTTSIGQSEKVHLSYADPKQPGPESDEEIRRV-PEIGGESAGTSAS 213

Qy 174 ---ADSKVGTQFIRGVSGGERKR 193
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 Db 214 QPDAGSNAGTERVQGTGEQKKR 236

RESULT 15

US-11-982-010-1636

; Sequence 1636, Application US/11982010

; Publication No. US20090044297A1

; GENERAL INFORMATION

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 ; APPLICANT:Xie, Zhidong
 ; TITLE OF INVENTION: Transgenic Plants with Enhanced Agronomic Traits
 ; FILE REFERENCE: 38-21(52016)A
 ; CURRENT APPLICATION NUMBER: US/11/982,010
 ; CURRENT FILING DATE: 2008-10-18
 ; PRIOR APPLICATION NUMBER: 10/678,588
 ; PRIOR FILING DATE: 2003-10-02

; PRIOR APPLICATION NUMBER: 60/415,758
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: 60/425,157
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/463,787
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 10/438,246
; PRIOR FILING DATE: 2003-05-14
; PRIOR APPLICATION NUMBER: 10/155,881
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: 09/816,660
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 09/733,089
; PRIOR FILING DATE: 2000-12-11
; PRIOR APPLICATION NUMBER: 09/565,306
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/132,860
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 10/424,599
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 09/985,678
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 09/304,517
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/874,708
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; PRIOR APPLICATION NUMBER: 60/211,750
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 09/684,016
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: 10/425,114
; PRIOR FILING DATE: 2003-04-28
; PRIOR APPLICATION NUMBER: 10/219,999
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/312,544
; PRIOR FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/324,109
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 11/491,125
; PRIOR FILING DATE: 2006-08-24
; PRIOR APPLICATION NUMBER: 60/144,351
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/163,469
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: 60/177,203
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 60/184,162
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 09/620,392
; PRIOR FILING DATE: 2000-07-19
; NUMBER OF SEQ ID NOS: 1962
; SEQ ID NO 1636
; LENGTH: 325

; TYPE: PRT
; ORGANISM: Zea mays
US-11-982-010-1636

Query Match 2.4%; Score 81.5; DB 2; Length 325;
Best Local Similarity 24.3%; Pred. No. 1.6;
Matches 41; Conservative 23; Mismatches 56; Indels 49; Gaps 9;

Qy 119 CNSGYVVQDDVVMGTLV-----RENLQFSAALRLATTMTNHEKNERINRVIQEL 168
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Db 28 CNDGFIQEISEMGGILNTYGLIEPDFEERRARRFGMMAMDAMSSLMRQR-----MEEM 78

Qy 169 GLDKVADSKVGTQFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLL 228
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Qy 229 KRMSKQGRTIIFSIHQPRY-----SIFKLFDSLTLLASGRLMFHGP 270
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Job time : 3 secs

SCOPE 1.6